

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 3634.4US (97-1094.04/US)

First Inventor Hembree et al.

Title METHOD AND PROCESS OF CONTACT TO HEAT SOFTENED  
SOLDER BALL ARRAY

Express Mail Label No. EV325770201US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 16]  
(preferred arrangement set forth below)  
 - Descriptive title of the Invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table,  
 or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 2]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
 (for a continuation/divisional with Box 18 completed)  
 i.  DELETION OF INVENTOR(S)  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 CFR  
 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-145016235 U.S. PRO  
10/651654

08/29/03

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. §3.73(b) Statement  Power of  
(when there is an assignee) Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS  
Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17.  Other: \_\_\_\_\_

**18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:**

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No: 10 / 196,396

Prior application information: Examiner J. Jeffery

Group / Art Unit: 3742

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

24247  
PATENT TRADEMARK OFFICEor  Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	James R. Duzan	Registration No. (Attorney/Agent)	28,393
Signature			Date August 29, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

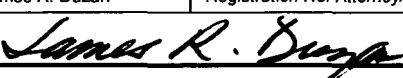
 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

Complete if Known	
Application Number	Not yet assigned
Filing Date	August 29, 2003
First Named Inventor	Hembree et al.
Examiner Name	Unknown
Group / Art Unit	Unknown
Attorney Docket No.	3634.4US (97-1094.04/US)

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account: Deposit Account Number      20-1469  Deposit Account Name      TraskBritt				<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Code</td> <td>Fee (\$)</td> </tr> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> </tr> <tr> <td>1453</td> <td>1,300</td> <td>2453</td> <td>650</td> </tr> <tr> <td>1501</td> <td>1,300</td> <td>2501</td> <td>650</td> </tr> <tr> <td>1502</td> <td>470</td> <td>2502</td> <td>235</td> </tr> <tr> <td>1503</td> <td>630</td> <td>2503</td> <td>315</td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> </tr> <tr> <td>1809</td> <td>750</td> <td>2809</td> <td>375</td> </tr> <tr> <td>1810</td> <td>750</td> <td>2810</td> <td>375</td> </tr> <tr> <td>1801</td> <td>750</td> <td>2801</td> <td>375</td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> </tr> <tr> <td colspan="4">Fee Description</td> </tr> <tr> <td colspan="4">Fee Paid</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	1052	50	2052	25	1053	130	1053	130	1812	2,520	1812	2,520	1804	920*	1804	920*	1805	1,840*	1805	1,840*	1251	110	2251	55	1252	410	2252	205	1253	930	2253	465	1254	1,450	2254	725	1255	1,970	2255	985	1401	320	2401	160	1402	320	2402	160	1403	280	2403	140	1451	1,510	1451	1,510	1452	110	2452	55	1453	1,300	2453	650	1501	1,300	2501	650	1502	470	2502	235	1503	630	2503	315	1460	130	1460	130	1807	50	1807	50	1806	180	1806	180	8021	40	8021	40	1809	750	2809	375	1810	750	2810	375	1801	750	2801	375	1802	900	1802	900	Fee Description				Fee Paid			
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\*\*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY						Complete (if applicable)
Name (Print/Type)	James R. Duzan	Registration No. Attorney/Agent)	28,393	Telephone	801-532-1922	
Signature				Date	August 29, 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.